



# **VL149**

#### ITF Vehicle Terminal

The VL149 is a compact GPS tracking terminal designed for vehicles. With a 4G Cat.1 communications module and a broad operating voltage from 9V to 90V, it delivers good performance at a competitive price. In addition to satellite signals, it leverages base stations (LBS) and AGPS to enhance location accuracy. It also incorporates features like driving behavior analysis, exception alerts, and remote immobilization to provide better protection. The optional TTL interface facilitates easy function expansion, such as anti-theft capabilities, Ideal for auto insurance, monitoring, and rental of motorcycles and electric vehicles, the VL149 may be a great choice for those seeking reliable and cost-effective vehicle tracking solutions.





#### **4G Connectivity**

Communication via 4G Cat, 1 networks for fast data transmission.



#### **GPS/BDS/LBS Positioning**

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



#### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



#### **Multiple Alerts**

Instant alerts for atypical events such as unexpected vibration, speeding, low battery, tamper, and unauthorized wire-cutting,



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via command.



#### **Compact Size**

Ideal for installing in a small space to maximize unnoticeability.



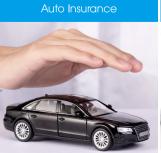
#### 9-90V Operating Voltage

Compatible with a wide range of input voltage, able to work on diverse vehicles.



#### TTL Interface (Optional)

Able to connect with different accessories for feature expansions,



# Vehicle Rental





#### **GNSS**

GPS+BDS
L1/B1
<2,5m CEP
–165dBm
-148dBm
Avg, hot start ≤1sec Avg, cold start ≤32sec

# Cellular

Communication network	4G Cat.1
Frequency	LTE-FDD: B1/B3/B5/B8
	LTE-TDD: B34/B38/B39/B40/B41

#### **Power**

Battery	60mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	9-90VDC
Standby current	≤5mA

# Interface

LED indication	GNSS (Blue), Cellular (Green)
SIM	Nano-SIM
Data storage	4MB+4MB

# **Physical specification**

Dimensions	80 x 31 x 13mm
Weight	28g

# Operating environment

Operating temperature	-20°C to 70°C
IP rating	IPX4

# **Feature**

Sensors	Accelerometer
Scenarios	Vehicle movement alert, Speeding, Geo-fence entry/exit, Vehicle battery detection
Driving behavior analysis	Harsh acceleration, Harsh braking, Harsh cornering